

Digital Literacy Primer

Course outline

Main Idea: empower staff to counsel patrons in matters pertaining to their privacy online.

Material Outline:

Introduction: from boot to cypher (20 mins)

What's a computer anyway? hardware, firmware, software

Information: the stuff of the universe

Privacy: Intersection of Availability, Confidentiality, Authenticity and Integrity

Activity: Sending a private message challenge

Introduction to Cryptography: what is public key cryptography?

Pragmatic Concepts: threats to your digital self (45 mins)

How the internet works: servers, URLs, IPs oh my

SSL: the web's safety blanket

Basics: passwords, emails and malware

Preventative Medicine: what you can do to stay safe from:

Viruses: demystified

Hackers: who what where how and why!

Top 5: Backup, firewall, update, anti-virus and education

Web Browsers: ins and outs of the modern oculus

Handling Problems: what to do when it all goes wrong

Questions and participant lead session (20-30 min)

Recommended Reading:

- [Librarians vs NSA article](#) [thenation.com]
- [Apple vs the FBI](#) [wired.com]
- [The Hacker who played the FBI](#) [wired.com]
- [New Hampshire Library and their Tor Exit Node](#) [Slate.com]
- [Governments and Hacking](#) [Wired article on Stuxnet]
- Computer Security Literacy: Staying Safe in a Digital World [Douglas Jacobson and Joseph Idziorek](005.8JAC)
ISBN: 978-1-4398-5618-5